IN THE CLAIMS

Please amend the claims as follows:

Claims 1-6 (Canceled).

Claim 7 (Currently Amended): An information storage method for ~~a first cache node in~~ a mobile communications network in which a mobile terminal receives information through a plurality of delivery channels, wherein ~~while said mobile terminal moves from a communication area to another, wherein a portion of said information which is transferred through said first cache node is stored in said communication node~~

when a delivery channel through which the information is delivered to the mobile terminal is switched to another as the mobile terminal moves from a communication area to another, communication nodes in the delivery channels store a portion of the information which has been delivered through the communication nodes.

Claim 8 (Currently Amended): The information storage method as claimed in claim 7, wherein ~~said first cache node manages said portion of said information using a stored data control table indicating the title of said information and the identification information of said portion of said information~~

the communication nodes which store the portion of the information manage a relation between information to be delivered to the mobile terminal and the portion of the information stored.

Claim 9 (Currently Amended): The information storage method claimed in claim 7, wherein, if ~~said~~ a first ~~cache~~ communication node storing said portion of said cache

information therein is included in a delivery channel which is established in response to an information delivery request, said first cache node delivers said portion of said ~~cache~~ communication information to said mobile terminal.

Claim 10 (Currently Amended): The control method of information delivery as claimed in claim 9, wherein, if a second ~~cache~~ communication node is included in said delivery channel established in response to an information delivery request, said first ~~cache~~ communication node informs said second ~~cache~~ communication node that said first cache node has delivered a portion of said ~~cache~~ information, and said second ~~cache~~ communication node delivers ~~the~~ a remaining portion of said ~~cache~~ information except for the portion which has been delivered by said first cache node to said mobile terminal through said delivery channel.

Claim 11 (Currently Amended): A control system for information delivery including a plurality of cache nodes storing portions of cache information utilizing the information storage method claimed in claim 7, wherein, if ~~said~~ a first cache node storing ~~said~~ a portion of said cache information is included in the delivery channel established in response to said information delivery request, said first cache node delivers said portion to said mobile terminal.

Claim 12 (Original): The control system for information delivery as claimed in claim 11, wherein a second cache node storing all or a portion of said requested information exists in said delivery channel established in response to said information delivery request, further comprising:

means for informing said second cache node that said first cache node has delivered all or said portion of said requested information; and

means for delivering, through said delivery channel established-in response to said information delivery request, the remaining portion of said information except for said portion of said cache information which is delivered from said first cache node to said mobile terminal.

Claim 13 (Withdrawn): A communication node apparatus which exchanges information with other communication node apparatuses in a mobile communications network, comprising:

a control register unit which stores entry data therein; and

a network control unit which stores, in response to a hand-over request from a mobile terminal, entry data of said mobile terminal in said control register unit if said control register unit does not store said entry data of said mobile terminal.

Claim 14 (Withdrawn): The communication node as claimed in claim 13, wherein said network control unit, if said control register stores said entry data of said mobile terminal therein, sends to one of said other communication node apparatuses an instruction, in response to which the one of said network node apparatuses deletes an entry data of said mobile terminal stored in a control register unit thereof.

Claim 15 (Withdrawn): The communication node as claimed in claim 13, further comprising a cache data storage unit which stores cache data therein,

wherein

said network control unit, in response to a delivery request for information from said mobile terminal, if said cache data is equal to said information, sends to one of said communication node apparatuses a first signal indicating that said cache data storage unit stores said cache data therein; and

said network control unit, in response to a second signal from the one of said communication node apparatuses indicating that a portion of said information has been sent to said mobile terminal, sends a remaining portion of said cache data identical to said information stored in said cache data storage unit.

Claim 16 (Withdrawn): The communication node as claimed in claim 15, wherein said network control unit sends to a network node a second signal indicating that a portion of said cache data is sent to said mobile terminal.

Claim 17 (Withdrawn): The communication node as claimed in claim 15, wherein a portion of said information passing through said communication node is stored in said cache data storage unit thereof and managed by a stored data control table indicating a relationship between a name of cache data and a stored portion of said cache data.

Claim 18 (New): A method of delivering information to a mobile terminal through a mobile communication network including a plurality of communication nodes, the method comprising the steps of:

identifying a first cache node caching the information in a first delivery channel established based on a delivery request for the information from the mobile terminal;

identifying a second cache node caching the information in a second delivery channel established as the mobile terminal moves;

sending delivery information from the first cache node to the second cache node, the delivery information indicating a portion of the information that has been delivered to the mobile terminal by the first cache node; and

delivering a remaining portion of the information from the second cache node in response to receipt of the delivery information.

Claim 19 (New): The method as claimed in claim 18, wherein

in the step of sending delivery information, a communication node located in the first delivery channel and the second delivery channel acquires the delivery information from the first cache node and transfers the acquired delivery information to the second cache node.

Claim 20 (New): The method as claimed in claim 18, wherein

when the mobile terminal receiving the information through the first delivery channel is handed over from a first wireless communication node to a second wireless communication node, the second delivery channel including the second wireless communication node is established and the second cache node in the second delivery channel is identified.

Claim 21 (New): A mobile communication network, comprising:

a mobile terminal;

a server that stores information; and

a plurality of cache nodes that caches at least a portion of the information stored in the server, wherein

a first one of the cache nodes in a first delivery channel established based on a delivery request from the mobile terminal for the information stored in the server sends delivery information to a second one of the cache nodes in a second delivery channel

established as the mobile terminal moves, the delivery information indicating a portion of the information that has been delivered to the mobile terminal by the first one of the cache nodes, and

the second one of the cache nodes delivers a remaining portion of the information in response to receipt of the delivery information from the first one of the cache nodes.

Claim 22 (New): The mobile communication network as claimed in claim 21, further comprising:

a plurality of communication nodes, wherein

a communication node located at a diverging point of the first delivery channel and the second delivery channel acquires the delivery information from the first one of the cache nodes via the first delivery channel and transfers the acquired delivery information to the second one of the cache nodes via the second delivery channel.

Claim 23 (New): The mobile communication network as claimed in claim 21, further comprising:

a plurality of wireless communication nodes that wirelessly communicates with the mobile terminal, wherein

when the mobile terminal receiving the information through the first delivery channel is handed over from a first one of the wireless communication nodes to a second one of the wireless communication nodes, the second delivery channel is formed and the second one of the cache nodes is identified.